

Experiment Number: 072277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4,5-Trichlorophenol

CAS Number: 95-95-4

Date Report Requested: 09/11/2018

Time Report Requested: 00:01:07

NTP Study Number:

072277

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	109 ± 5.4	116 ± 7.8	114 ± 8.1	114 ± 6.9	109 ± 9.2
1.0	105 ± 3.8	87 ± 7.0	124 ± 9.4	102 ± 9.4	123 ± 10.6
3.0	119 ± 13.7	87 ± 1.5	140 ± 7.2	110 ± 3.5	123 ± 12.1
10.0	109 ± 10.3	86 ± 7.6	133 ± 22.6	111 ± 4.2	137 ± 11.9
33.0	111 ± 9.1	102 ± 3.5	94 ± 5.7	107 ± 3.6	108 ± 9.6
66.0		85 ± 11.7		54 ± 12.2	
100.0	14 ± 7.3		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	306 ± 7.6	361 ± 3.2			
Positive Control ³			356 ± 6.4	1075 ± 61.0	1010 ± 78.3

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	135 ± 6.9
1.0	106 ± 7.0
3.0	97 ± 3.2
10.0	123 ± 9.2
33.0	106 ± 8.8
66.0	44 ± 23.4
100.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1316 ± 178.5

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.5	35 ± 4.6	8 ± 2.2	9 ± 2.3	15 ± 1.2
1.0	21 ± 4.0	26 ± 2.3	9 ± 2.0	7 ± 2.4	9 ± 2.6
3.0	14 ± 3.1	30 ± 6.0	7 ± 1.2	7 ± 1.0	7 ± 1.9
10.0	14 ± 3.2	25 ± 3.5	9 ± 0.3	7 ± 0.7	12 ± 1.9
33.0	14 ± 1.2	27 ± 4.7	5 ± 0.0	9 ± 2.2	9 ± 2.1
66.0		21 ± 1.7		5 ± 0.3	
100.0	1 ± 1.3		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	342 ± 3.3	449 ± 32.9			
Positive Control ⁴			176 ± 20.2	209 ± 9.0	323 ± 13.2

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.5
1.0	9 ± 0.9
3.0	12 ± 2.0
10.0	12 ± 4.0
33.0	8 ± 0.7
66.0	1 ± 0.9
100.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	564 ± 13.0

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 1.0	5 ± 1.5	4 ± 1.5	7 ± 2.1	4 ± 0.7
1.0	5 ± 1.8	7 ± 0.9	5 ± 0.6	5 ± 1.5	4 ± 1.7
3.0	4 ± 1.2	3 ± 0.7	6 ± 1.7	6 ± 0.6	8 ± 2.0
10.0	5 ± 1.5	3 ± 1.0	6 ± 1.2	8 ± 1.2	5 ± 1.3
33.0	6 ± 1.8	3 ± 1.0	4 ± 1.2	7 ± 0.3	9 ± 0.3
66.0		6 ± 2.7		3 ± 0.9	
100.0	1 ± 0.9		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			100 ± 2.0	210 ± 1.8	446 ± 36.0
Positive Control ⁵	277 ± 37.1	181 ± 11.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.7
1.0	5 ± 0.9
3.0	6 ± 1.8
10.0	6 ± 1.0
33.0	7 ± 1.7
66.0	7 ± 2.0
100.0	
Trial Summary	Negative
Positive Control ⁴	357 ± 66.4
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.1	20 ± 3.5	26 ± 2.9	28 ± 0.9	31 ± 6.4
1.0	18 ± 3.5	14 ± 2.3	26 ± 5.5	20 ± 0.6	26 ± 3.8
3.0	13 ± 2.3	13 ± 2.1	27 ± 3.5	23 ± 2.8	23 ± 1.8
10.0	17 ± 1.2	14 ± 2.6	31 ± 6.1	30 ± 1.2	22 ± 4.8
33.0	13 ± 0.3	13 ± 1.9	20 ± 3.2	16 ± 2.0	24 ± 4.4
66.0		12 ± 2.3		8 ± 2.2	
100.0	1 ± 1.3		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			268 ± 38.5	919 ± 31.5	974 ± 38.4
Positive Control ⁶	739 ± 14.4	876 ± 40.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	28 ± 2.3
1.0	29 ± 2.2
3.0	24 ± 4.3
10.0	22 ± 3.8
33.0	22 ± 2.5
66.0	9 ± 4.8
100.0	
Trial Summary	Negative
Positive Control ³	1543 ± 78.5
Positive Control ⁶	

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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****